

30. (Twice Amended) The method of claim 1, wherein the minimum amounts of said growth factors are:

E2

- (i) 0.00625 U/ μ l LIF;
- (ii) 0.25 pg/ μ l bFGF;
- (iii) 0.5625 pg/ μ l SCF; and
- (iv) 4.0 pg/ μ l IGF.

Subj to > 33. (Amended) A culture consisting essentially of purified isolated avian PGCs exposed to growth factors in amounts sufficient to maintain said PGCs for at least fourteen days in tissue culture, wherein said growth factors include at least the following:

E3

- (1) leukemia inhibitory factor (LIF),
- (2) basic fibroblast growth factor (bFGF),
- (3) stem cell factor, and
- (4) insulin-like growth factor (IGF).

See the attached Appendix for the changes made to effect the above claim.

Kindly add the following new claims:

E4 41. (New) The method of claim 32, wherein said feeder cells are transfected with one or more genes encoding said growth factors.

E5 42. (New) The culture of claim 38, wherein said feeder cells are transfected with one or more genes encoding said growth factors.--